

**FIBER OPTIC INTERNET PROTOCOL NETWORK INTERFACE
DEVICE AND METHODS AND SYSTEMS FOR USING THE SAME**

ABSTRACT OF THE DISCLOSURE

A network interface device located at a customer's premises includes an external interface that receives a plurality of telecommunication services via a fiber optic connection from a telecommunication service provider. The services are received using Internet Protocol. The network interface device also includes at least two distinct internal interfaces that distribute the plurality of telecommunication services to at least two distinct internal transport media.. The network interface device also includes a processor that is programmed to receive combined signals comprising the telecommunication services from the external interface, process the combined signals into separate signals representative of distinct telecommunication services, and map each of the separate signals to separate ones of the at least two distinct internal interfaces for distribution at the customer's premises via the internal transport media.